

ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

Title of Invention	PE-ALD OF TaN DIFFUSION BARRIER REGION ON LOW-K MATERIALS																																																																																												
Submision Type : Utility Patent Filing Application Number: 10/709865  EFS ID: 61885 Server Response: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 25%;">Confirmation Code</th> <th style="width: 75%;">Message</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">ISVR1</td> <td style="padding: 5px;">Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td style="padding: 5px;">ICON1</td> <td style="padding: 5px;">3864</td> </tr> <tr> <td style="padding: 5px;">IGEN77</td> <td style="padding: 5px;">Filename= N/A BusinessRule= The access code is not included which allows for automated processing to the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the fucntion call.</td> </tr> </tbody> </table>		Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	3864	IGEN77	Filename= N/A BusinessRule= The access code is not included which allows for automated processing to the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the fucntion call.																																																																																				
Confirmation Code	Message																																																																																												
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																																																																																												
ICON1	3864																																																																																												
IGEN77	Filename= N/A BusinessRule= The access code is not included which allows for automated processing to the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the fucntion call.																																																																																												
First Named Applicant: Derren Dunn Attorney Docket Number: FIS920030181US1 Timestamp: 2004-06-02 15:18:39 EDT From: us File Listing: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 25%;">Doc. Name</th> <th style="width: 50%;">File Name</th> <th style="width: 10%;">Size (Bytes)</th> <th style="width: 15%;">Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-request</td><td>FIS920030181US1-usrequ.xml</td><td>6575</td><td>2004-06-02</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-06-02</td></tr> <tr><td>us-request</td><td>us-request.xsl</td><td>33300</td><td>2004-06-02</td></tr> <tr><td>us-assignment</td><td>FIS920030181US1-usassn.xml</td><td>2509</td><td>2004-06-02</td></tr> <tr><td>us-assignment</td><td>us-assignment.xsl</td><td>8983</td><td>2004-06-02</td></tr> <tr><td>us-assignment</td><td>us-assignment.dtd</td><td>10898</td><td>2004-06-02</td></tr> <tr><td>us-assignment</td><td>aFIS920030181us1assign1.tif</td><td>68566</td><td>2004-06-02</td></tr> <tr><td>us-assignment</td><td>aFIS920030181us1assign2.tif</td><td>20057</td><td>2004-06-02</td></tr> <tr><td>us-assignment</td><td>aFIS920030181us1assign3.tif</td><td>16576</td><td>2004-06-02</td></tr> <tr><td>us-fee-sheet</td><td>FIS920030181US1-usfees.xml</td><td>2322</td><td>2004-06-02</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xsl</td><td>24912</td><td>2004-06-02</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>FIS92030181US1-trans.xml</td><td>27710</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>us-application-body.xsl</td><td>83497</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2004-06-02</td></tr> <tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2004-06-02</td></tr> </tbody> </table>		Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-request	FIS920030181US1-usrequ.xml	6575	2004-06-02	us-request	us-request.dtd	19064	2004-06-02	us-request	us-request.xsl	33300	2004-06-02	us-assignment	FIS920030181US1-usassn.xml	2509	2004-06-02	us-assignment	us-assignment.xsl	8983	2004-06-02	us-assignment	us-assignment.dtd	10898	2004-06-02	us-assignment	aFIS920030181us1assign1.tif	68566	2004-06-02	us-assignment	aFIS920030181us1assign2.tif	20057	2004-06-02	us-assignment	aFIS920030181us1assign3.tif	16576	2004-06-02	us-fee-sheet	FIS920030181US1-usfees.xml	2322	2004-06-02	us-fee-sheet	us-fee-sheet.xsl	24912	2004-06-02	us-fee-sheet	us-fee-sheet.dtd	11069	2004-06-02	application-body	FIS92030181US1-trans.xml	27710	2004-06-02	application-body	us-application-body.xsl	83497	2004-06-02	application-body	application-body.dtd	49498	2004-06-02	application-body	wipo.ent	4956	2004-06-02	application-body	mathml2.dtd	54588	2004-06-02	application-body	mathml2-qname-1.mod	13225	2004-06-02	application-body	isoamsa.ent	5191	2004-06-02	application-body	isoamsb.ent	3988	2004-06-02	application-body	isoamsc.ent	1460	2004-06-02	application-body	isoamsn.ent	5620	2004-06-02
Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)																																																																																										
us-request	FIS920030181US1-usrequ.xml	6575	2004-06-02																																																																																										
us-request	us-request.dtd	19064	2004-06-02																																																																																										
us-request	us-request.xsl	33300	2004-06-02																																																																																										
us-assignment	FIS920030181US1-usassn.xml	2509	2004-06-02																																																																																										
us-assignment	us-assignment.xsl	8983	2004-06-02																																																																																										
us-assignment	us-assignment.dtd	10898	2004-06-02																																																																																										
us-assignment	aFIS920030181us1assign1.tif	68566	2004-06-02																																																																																										
us-assignment	aFIS920030181us1assign2.tif	20057	2004-06-02																																																																																										
us-assignment	aFIS920030181us1assign3.tif	16576	2004-06-02																																																																																										
us-fee-sheet	FIS920030181US1-usfees.xml	2322	2004-06-02																																																																																										
us-fee-sheet	us-fee-sheet.xsl	24912	2004-06-02																																																																																										
us-fee-sheet	us-fee-sheet.dtd	11069	2004-06-02																																																																																										
application-body	FIS92030181US1-trans.xml	27710	2004-06-02																																																																																										
application-body	us-application-body.xsl	83497	2004-06-02																																																																																										
application-body	application-body.dtd	49498	2004-06-02																																																																																										
application-body	wipo.ent	4956	2004-06-02																																																																																										
application-body	mathml2.dtd	54588	2004-06-02																																																																																										
application-body	mathml2-qname-1.mod	13225	2004-06-02																																																																																										
application-body	isoamsa.ent	5191	2004-06-02																																																																																										
application-body	isoamsb.ent	3988	2004-06-02																																																																																										
application-body	isoamsc.ent	1460	2004-06-02																																																																																										
application-body	isoamsn.ent	5620	2004-06-02																																																																																										

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	isoamso.ent	1934	2004-06-02
application-body	isoamsr.ent	7073	2004-06-02
application-body	isogrk3.ent	3559	2004-06-02
application-body	isomfrk.ent	4553	2004-06-02
application-body	isomopf.ent	2571	2004-06-02
application-body	isomscr.ent	4628	2004-06-02
application-body	isotech.ent	5268	2004-06-02
application-body	isobox.ent	3568	2004-06-02
application-body	isocyr1.ent	5345	2004-06-02
application-body	isocyr2.ent	2504	2004-06-02
application-body	isodia.ent	1508	2004-06-02
application-body	isolat1.ent	5282	2004-06-02
application-body	isolat2.ent	9007	2004-06-02
application-body	isounum.ent	5913	2004-06-02
application-body	isopub.ent	6621	2004-06-02
application-body	mimlextra.ent	7901	2004-06-02
application-body	mmlalias.ent	38209	2004-06-02
application-body	soextblk.dtd	12870	2004-06-02
application-body	afis920030181us1-drw1.tif	18097	2004-06-02
application-body	afis920030181us1-drw2.tif	16038	2004-06-02
application-body	afis920030181us1-drw3.tif	11330	2004-06-02
application-body	afis920030181us1-drw4.tif	11147	2004-06-02
application-body	afis920030181us1-drw5.tif	201728	2004-06-02
application-body	afis920030181us1-drw6.tif	13258	2004-06-02
us-declaration	aFIS920030181us1dec1.tif	69803	2004-06-02
us-declaration	aFIS920030181us1dec2.tif	46023	2004-06-02
us-declaration	aFIS920030181us1dec3.tif	46752	2004-06-02
package-data	FIS920030181US1-pkda.xml	10282	2004-06-02
package-data	package-data.dtd	27025	2004-06-02
package-data	us-package-data.xsl	19263	2004-06-02
	Total files size	1093624	

Message Digest:

660af1f3be1fc825d5a7e1eb3928ad990a1ca4fb

Digital Certificate Holder
Name:

cn=Jay H.
Anderson,ou=Registered
Attorneys,ou=Patent and
Trademark
Office,ou=Department of
Commerce,o=U.S.
Government,c=US